

IN THE CLAIMS:

Please cancel claims 21 and 31, and substitute the following amended claims 22, 24, 30, 32 and 33 for the corresponding claims as follows:

B2 22. (Amended) The method of claim 35 wherein said elastomeric material forming said inner tube contains a conductive material.

B3 24. (Amended) The method of claim 35 further comprising the steps of vulcanizing said covered reinforced tube.

B4 30. (Amended) The method of claim 35 wherein said elastomeric material is an acrylonitrile-butadiene rubber.

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B5 32. (Amended) The method of claim 35 wherein said reinforcing layer is a layer of fibers selected from the group consisting of polyamide fibers, polyester fibers, rayon fibers, glass fibers and cotton fibers.

33. (Amended) The method of claim 35 wherein said protective cover layer is a layer of synthetic elastomeric selected from the group consisting of styrene-butadiene rubber, nitrile-butadiene rubber, chloroprene rubber, chlorinated polyethylene, chlorosulfonated polyethylene, epichlorohydrin ethylene oxide copolymers, polyvinyl chloride, and blends thereof.

A marked-up version of the changes made is attached as a separate sheet entitled
"Version with Makings to Show Changes Made".

Please add new claims 35-42 as follows:

B6C17 35. A method of producing a flexible polymeric hose construction having a fluoropolymer barrier layer for use in a fuel transport system comprising the steps of:

- forming a first polymeric tubular structure;
- forming a second polymeric tubular structure on said first polymeric tubular structure;
- forming a reinforcing layer on said second polymeric tubular structure; and
- forming a protective cover layer on said reinforcing layer, wherein one of said first polymeric tubular structure and said second polymeric tubular structure comprises an elastomeric material selected from the group consisting of butadiene-acrylonitrile rubber, epichlorohydrin rubber, and ethylene-acrylate rubber, and the other of said first polymeric tubular structure and said second polymeric tubular structure is a barrier layer comprising a blend of a first hexafluoropropylene-tetrafluoroethylene-vinylidene fluoride terpolymer exhibiting elastomeric characteristics, and a second hexafluoropropylene-tetrafluoroethylene-vinylidene fluoride terpolymer fluoropolymer exhibiting thermoplastic characteristics, wherein said first hexafluoropropylene-tetrafluoroethylene-vinylidene fluoride terpolymer exhibits elastomeric characteristics and said second hexafluoropropylene-tetrafluoroethylene-vinylidene fluoride terpolymer exhibits thermoplastic characteristics.

36. The method of claim 36 wherein said first polymeric tubular structure is an acrylonitrile-butadiene rubber and said second polymeric tubular structure is a blend of about 20 to 80 weight percent of said first hexafluoropropylene-tetrafluoroethylene-vinyl fluoride terpolymer having a fluorine content of about 65 to 73 weight percent fluorine and about 80 to 20 weight percent of said second hexafluoropropylene-tetrafluoroethylene-vinyl fluoride terpolymer having a fluorine content of about 70 to 75 weight percent fluorine.

S16 C17 37. The method of claim 36 further including the step of forming a second acrylonitrile-butadiene polymeric tubular structure between said hexafluoropropylene-tetrafluoroethylene-vinyl fluoride terpolymer blend and said reinforcing layer.

38. The method of claim 35 wherein said first polymeric tubular structure and said second polymeric tubular structure are formed by extrusion.

39. The method of claim 37 wherein said second acrylonitrile-butadiene tubular structure is formed by extrusion.

40. A method of producing a flexible polymeric hose construction having a fluoropolymer barrier layer for use in a fuel transport system comprising the steps of:
extruding a first acrylonitrile-butadiene rubber tubular structure;
extruding a second fluoropolymeric tubular structure on said first acrylonitrile-butadiene rubber tubular structure;
forming a reinforcing layer on said second polymeric tubular structure; and
forming a protective cover layer on said reinforcing layer, wherein said second fluoropolymeric tubular structure is a barrier layer comprising a blend of about 20 to 80 weight percent of said first hexafluoropropylene-tetrafluoroethylene-vinyl fluoride terpolymer having a fluorine content of about 65 to 73 weight percent fluorine and about 80 to 20 weight percent of said second hexafluoropropylene-tetrafluoroethylene-vinyl fluoride terpolymer having a fluorine content of about 70 to 75 weight percent fluorine, said first hexafluoropropylene-tetrafluoroethylene-vinylidene fluoride terpolymer exhibiting elastomeric characteristics, and said second hexafluoropropylene-tetrafluoroethylene-vinylidene fluoride terpolymer fluoropolymer exhibiting thermoplastic characteristics.

41. A method of producing a flexible polymeric hose construction having a fluoropolymer barrier layer for use in a fuel transport system comprising the steps of:
extruding a first acrylonitrile-butadiene rubber tubular structure;
extruding a second fluoropolymeric tubular structure on said first acrylonitrile-butadiene rubber tubular structure;
extruding a third acrylonitrile-butadiene rubber tubular structure on said second fluoropolymeric tubular structure;

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forming a reinforcing layer on said third acrylonitrile-butadiene rubber tubular structure;
and

forming a protective cover layer on said reinforcing layer, wherein said second fluoropolymeric tubular structure is a barrier layer comprising a blend of about 20 to 80 weight percent of said first hexafluoropropylene-tetrafluoroethylene-vinyl fluoride terpolymer having a fluorine content of about 65 to 73 weight percent fluorine and about 80 to 20 weight percent of said second hexafluoropropylene-tetrafluoroethylene-vinyl fluoride terpolymer having a fluorine content of about 70 to 75 weight percent fluorine, said first hexafluoropropylene-tetrafluoroethylene-vinylidene fluoride terpolymer exhibiting elastomeric characteristics, and said second hexafluoropropylene-tetrafluoroethylene-vinylidene fluoride terpolymer fluoropolymer exhibiting thermoplastic characteristics.

42. A method of producing a flexible polymeric hose construction having a fluoropolymer barrier layer for use in a fuel transport system comprising the steps of:

extruding a first fluoropolymeric tubular structure;

extruding a second acrylonitrile-butadiene rubber tubular structure on said first fluoropolymeric tubular structure;

forming a reinforcing layer on said second acrylonitrile-butadiene rubber tubular structure; and

forming a protective cover layer on said reinforcing layer, wherein said fluoropolymeric tubular structure is a barrier layer comprising a blend of about 20 to 80 weight percent of said first hexafluoropropylene-tetrafluoroethylene-vinyl fluoride terpolymer having a fluorine content of about 65 to 73 weight percent fluorine and about 80 to 20 weight percent of said second hexafluoropropylene-tetrafluoroethylene-vinyl fluoride terpolymer having a fluorine content of about 70 to 75 weight percent fluorine, said first hexafluoropropylene-tetrafluoroethylene-vinylidene fluoride terpolymer exhibiting elastomeric characteristics and said second hexafluoropropylene-tetrafluoroethylene-vinylidene fluoride terpolymer fluoropolymer exhibiting thermoplastic characteristics.